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Ligation search

1/1 PLUSPAT - ©QUESTEL-ORBIT - image

08/447,717

PN - US5302966 A 19940412 [US5302966]

TI - (A) Active matrix electroluminescent display and method of operation

PA - (A) SARNOFF DAVID RES CENTER (US)

PA0 - David Sarnoff Research Center, Inc., Princeton NJ [US]

IN - (A) STEWART ROGER G (US)

AP - US89246492 19920602 [1992US-0892464]

PR - US89246492 19920602 [1992US-0892464]

IC - (A) G09G-003/30

ICAA - G09G-003/30 [2006-01 A - I R M EP]

ICCA - G09G-003/30 [2006 C - I R M EP]

EC - G09G-003/30

ICO - S09G-201/03
S09G-201/06
S09G-213/14B

PCL - ORIGINAL (O) : 345076000; CROSS-REFERENCE (X) : 315169300
345077000 345691000

DT - Corresponding document

CT - US3590156; US3761617; US4006383; US4087792; US4114070; US4482841;
US4528480; US4532506; US4554539; US4602192; US4613793; US4652872;
US4736137; US4797667; US4954747; US4958105; US4962374; US4963861;
US4975691; US5003302; US5028916; US5079483; US5095248; US5172032
P. De Visschere, I. De Rycke, J. Doutreloigne, J. Vanfleteren, "Active Matrix
CdSe TFT Addressed Electroluminescent Displays" 1988 IEEE International
Research Conf. pp. 74-76.

J. Vanfleteren, et al. "Evaluation of a 64.times.64 CdSe TFT Addressed
ACTFEL Display Demonstrator", 1991 IEEE, pp. 134-136.

T. Suzuki, et al. "The Fabrication of TFEL Displays Driven by a-SiTFTs" SID 92
Digest pp. 334-347.

J. P. Salerno, et al, "Single-Crystal Silicon Transmissive AMLCD" SID 92
Digest pp. 63-66, .COPYRGT.1992.

J. Vanfleteren, et al "Design of A Prototype Active Matrix CdSe TFT Addressed
EL Display" Sep. 24, 1991.

STG - (A) United States patent

AB - An active matrix electroluminescent display (AMELD) having an improved light emitting efficiency and methods of operating the AMELD to produce gray scale operation comprises a plurality of pixels, each pixel including a first transistor having its gate connected to a select line, its source connected to a data line and its drain connected to the gate of a second transistor, the second transistor having its source connected to the data line and its drain connected to a first electrode of

an electroluminescent (EL) cell. The EL cell's second electrode is connected to alternating high voltage means. A method for producing gray scale performance including the step of varying the length of time the second transistor is on while the alternating voltage is applied to the EL cell is also disclosed.

I / I LGST - ©EPO

PN -  US5302966 A 19940412 [US5302966]

AP - US89246492 19920602 [1992US-0892464]

ACT - 19920716 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: DAVID SARNOFF RESEARCH CENTER, INC. A CORP. OF DE;
EFFECTIVE DATE: 19920714

19920716 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: STEWART, ROGER G.; EFFECTIVE DATE: 19920714

19950725 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 19950523

UP - 2003-22

I / I CRXX - ©CLAIMS/RRX

PN -  5,302,966 A 19940412 [US5302966]

PA - Sarnoff, David Research Center Inc

ACT - 19950523 REISSUE REQUESTED

Issue Date of O.G.: 19950725

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MERGER

Assignor: DAVID SARNOFF RESEARCH CENTER, INC. DATE SIGNED:
04/04/1997

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Reel 009773/Frame 0420

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Search statement 2

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5302966

April 12, 1994

Active matrix electroluminescent display and method of
operation

REISSUE: May 23, 1995 - Reissue Application filed Ex. Gp.: 2609; Re. S.N.
08/447,717 (O.G. July 25, 1995)

APPL-NO: 892464 (07)

FILED-DATE: June 2, 1992

GRANTED-DATE: April 12, 1994

CORE TERMS: transistor, pixel, layer, cell, gate, electrode, high voltage,
voltage, sub, drain ...

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5,302,966 OR 5302966

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